

100 day Marathon AIML Projects

That's an excellent goal! A **100-day AI/ML project marathon** will not only build your skills systematically but also make your profile stand out if you share it publicly (on LinkedIn, GitHub, or a blog). Below is a **day-wise roadmap** of project ideas — organized into 5 levels of increasing difficulty.

100-Day AI/ML Project Marathon

Each project builds on the skills from earlier days. Tools: **Python, NumPy, pandas, scikit-learn, Matplotlib, Seaborn, TensorFlow/PyTorch, OpenCV, NLTK/spaCy, HuggingFace**, etc.

◆ Level 1: Basics & ML Foundations (Days 1–20)

Focus: Data handling, preprocessing, EDA, basic models

Day	Project	Status  / 
1	BMI Calculator with GUI (Tkinter)	
2	House Price Prediction (Linear Regression)	
3	Student Marks Prediction	
4	Titanic Survival Prediction	
5	Iris Flower Classification	
6	Breast Cancer Detection	
7	Wine Quality Prediction	
8	Diabetes Prediction	
9	Loan Eligibility Classifier	
10	EDA on Netflix Dataset	
11	EDA on FIFA Player Stats	

Day	Project	Status  / 
12	Customer Segmentation (K-Means)	
13	Salary Prediction using Polynomial Regression	
14	Email Spam Detector	
15	Music Genre Classifier	
16	Weather Forecasting (Regression)	
17	Credit Card Fraud Detection	
18	Uber Ride Demand Prediction	
19	Stock Price Trend Visualizer	
20	ML Model Deployment with Streamlit	

◆ Level 2: Intermediate ML & Classic CV/NLP (Days 21–40)

Focus: Feature engineering, classic ML for images & text

Day	Project	Status  / 
21	Handwritten Digit Recognition (MNIST)	
22	Face Detection with OpenCV	
23	Cat vs Dog Classifier (CNN)	
24	Emotion Detection from Images	
25	Text Summarizer (TF-IDF + cosine similarity)	
26	Sentiment Analysis on Tweets	
27	Resume Parser using NLP	
28	YouTube Comment Toxicity Detector	
29	Language Detector	
30	Chatbot with Rule-based NLP	
31	Optical Character Recognition (OCR)	
32	Image to Pencil Sketch	
33	Object Counter with OpenCV	
34	QR Code Scanner	

Day	Project	Status  / 
35	Color Detection App	
36	Face Mask Detector	
37	News Category Classifier	
38	Movie Genre Prediction from Plot	
39	Image Classifier with Transfer Learning (VGG16)	
40	Streamlit App for Text Classification	

◆ Level 3: Deep Learning Essentials (Days 41–60)

Focus: Neural nets, CNNs, RNNs, real-time apps

Day	Project	Status  / 
41	Neural Net from Scratch (NumPy)	
42	Binary Image Classifier with CNN	
43	Fashion MNIST Classifier	
44	Image Augmentation Techniques	
45	Object Detection using YOLOv5	
46	Plant Disease Detector	
47	Face Recognition System	
48	Real-Time Face Filters	
49	Image Caption Generator (CNN + RNN)	
50	Real-Time Emotion Recognition	
51	Voice Gender Classification	
52	Speech Emotion Detection	
53	Text Generation using RNN	
54	Music Genre Prediction using Audio Data	
55	Masked Language Model (mini-BERT)	
56	Named Entity Recognition with spaCy	
57	Real-Time Sign Language Translator	
58	Scene Text Reader	

Day	Project	Status  / 
59	Lip Reading from Video Frames	
60	Text to Image Generator (DALL·E mini)	

◆ Level 4: Advanced AI/ML Projects (Days 61–80)

Focus: Advanced DL, LLMs, GANs, RL

Day	Project	Status  / 
61	ChatGPT-like QA Bot with LangChain	
62	Sentiment Analyzer using BERT	
63	Image Style Transfer	
64	GAN for Face Generation	
65	Object Detection using SSD	
66	Captioning Images with Transformers	
67	Question Answering with HuggingFace Transformers	
68	Text Similarity Engine using SBERT	
69	Fake News Detection using RoBERTa	
70	Deep Dream Image Generator	
71	Action Recognition in Videos	
72	Language Translation App (Transformer)	
73	Document Summarizer (BART or T5)	
74	Real-Time AI Avatar using GANs	
75	Zero-Shot Text Classification	
76	Image Super Resolution (ESRGAN)	
77	Reinforcement Learning CartPole Game	
78	RL Game Bot for Snake Game	
79	AI-Based Personal Finance Advisor	
80	Multi-Label Image Classification	

◆ Level 5: Real-World + AI Systems (Days 81–100)

Focus: Full-stack apps, MLOps, APIs, end-to-end systems

Day	Project	Status  / 
81	Resume Screening AI App	
82	Mental Health Chatbot	
83	Fake Product Review Detector	
84	Job Recommendation System	
85	Face Authentication System	
86	AI Interview Question Generator	
87	Search Engine for PDFs	
88	AI Writing Assistant	
89	Multimodal AI (Image + Text) Classifier	
90	AI Medical Report Analyzer	
91	Automatic CV Scorer using GPT API	
92	E-commerce Product Classifier	
93	Video Captioning Model	
94	Instagram Caption Generator	
95	End-to-End LLM Chatbot (LangChain + Vector DB)	
96	MLOps: ML pipeline with DVC & MLflow	
97	ML API with FastAPI or Flask	
98	Real-Time Dashboard with Streamlit + Firebase	
99	LLM App with Custom Prompt Engineering	
100	Your Own AI SaaS App (deploy on cloud + GitHub + blog post) 🎉	

🔧 How to Start?

I'll help you set up a:

- **Template GitHub repo** for daily logs and code
- **Post templates** for LinkedIn updates
- **Tracker sheet** for progress

Let me know if you want me to generate those too!

Would you also like:

- Links to datasets for each project?
- Starter code and notebooks for each level?
- Visuals or cards for daily posts?

Just say the word!